

CIRCUIT-BREAKER, 9...12,5 A, N-RELEASE 163 A, SIZE S0,
MOTOR PROTECTION, CLASS 10, SCREW CONNECTION
STANDARD BREAKING CAPACITY MULTI PACKING PACKING =
29 ITEMS

product brand name	SIRIUS
Product designation	circuit breaker
Design of the product	for motor protection

General technical data

Product extension	
• Auxiliary switch	Yes
Power loss [W] total typical	7 W
Surge voltage resistance rated value	6 000 V
Protection class IP	
• on the front	IP20
Shock resistance	25g / 11 ms
Mechanical service life (switching cycles)	
• of the main contacts typical	100 000

Ambient conditions

Installation altitude at height above sea level maximum	2 000 m
Ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-50 ... +80 °C

Main circuit

Number of poles for main current circuit	3
Adjustable pick-up value current of the current-dependent overload release	9 ... 12.5 A
Operating voltage	
• rated value	690 V
• at AC-3 rated value maximum	690 V
Operating current	
• at AC-3	
— at 400 V rated value	12.5 A
Operating power	
• at AC-3	
— at 400 V rated value	5.5 kW
Operating frequency	

- at AC-3 maximum

15 1/h

Auxiliary circuit

Number of CO contacts

- for auxiliary contacts

0

Protective and monitoring functions

Trip class

CLASS 10

Maximum short-circuit current breaking capacity (Icu)

- at AC at 240 V rated value
- at AC at 400 V rated value
- at AC at 500 V rated value
- at AC at 690 V rated value

100 kA
100 kA
42 kA
6 kA

Short-circuit protection

Design of the overcurrent release and short-circuit release

thermomagnetic

Installation/ mounting/ dimensions

Mounting position

any

Mounting type

screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022

Height

97 mm

Width

45 mm

Depth

96 mm

Required spacing

- with side-by-side mounting
 - Backwards
 - at the side

0 mm
0 mm

Connections/Terminals

Product function

- removable terminal for auxiliary and control circuit

No

Type of electrical connection

- for main current circuit
- for auxiliary and control current circuit

screw-type terminals
screw-type terminals

Arrangement of electrical connectors for main current circuit

front side

Type of connectable conductor cross-sections

- for main contacts
 - solid
 - stranded
 - finely stranded with core end processing
- at AWG conductors for main contacts

2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
2x (14 ... 10)

Certificates/approvals

General Product Approval



CCC



CSA



UL



ATEX



IECEX

Declaration of Conformity



EG-Konf.

Test Certificates

[spezielle Prüfbescheinigungen](#)
[n](#)

Shipping Approval



ABS



LRS



RMRS

other

[Umweltbestätigung](#)

other

[sonstig](#)

[Bestätigungen](#)



VDE

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1021-1KA10-Z W96>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1021-1KA10-Z W96>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1021-1KA10-Z W96>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1021-1KA10-Z W96&lang=en

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